

# Environmental Protection Agency

## **Start VX-In Procedure**

This procedure is written for the Environmental Protection Agency, National Vehicle and Fuel Emissions Laboratory (NVFEL) internal use. The use of specific brand names by NVFEL in this procedure are for reference only and are not an endorsement of those products. This document may be used for guidance by other laboratories.

### **NVFEL Reference Number**

031A

### **Implementation Approval**

Original Procedure Authorized by EPCN #264 on 4-11-2000

### **Revision Description**

- (1) 09-18-2001 The purpose of this change is to update the Group Responsible name per EPCN #316

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## 1. Purpose

The purpose of this procedure is to document the steps required to start up the VX-In Engine Controller program for VXI-based systems, as found in MTS cells.

## 2. Test Procedure

### 100 Turning on the two computers

101 If you know how to turn on the computers or if they are already on, go to Step 200. If off, continue with Step 102.

If the VXI Crate is on the green LED light next to the power button will be on. See Figures 1 and 2. If the host PC is on, the rocker switch, which could be red marked with a "0" and a "1" or black without any markings, will be pressed toward the right. See Figures 3 and 4. The black switch recovers its initial position.

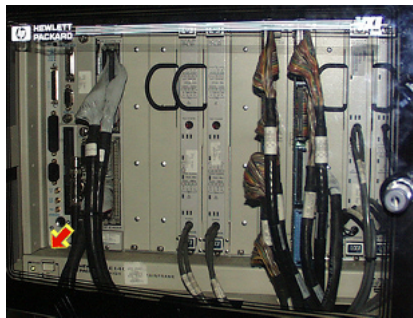


Figure 1  
VXI Crate Power Button Location

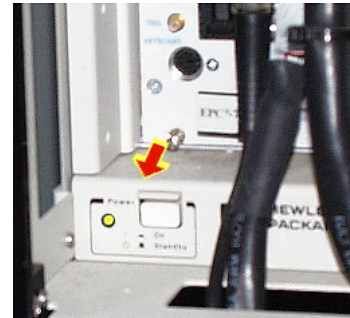


Figure 2  
VXI Crate Power Button



Figure 3  
PC Host Red Rocker Switch



Figures 4  
PC Host Black Rocker Switch

- 102 Push the white power button of the VXI Crate; the green LED light will go on. Allow two minutes for the Crate computer to finish booting.
- 103 Press the red or black rocker switch of the host PC toward the right to turn it on. The red switch will be depressed to the right on the “–”; the black switch returns to its original position
- 104 If the monitor is off, press the monitor power button located at the lower right below the screen.

## 200 Logging on

- 201 When the “Begin Logon” box appears, log on by selecting “Ctrl” and “Alt” and hit “Delete”. See Figure 5.

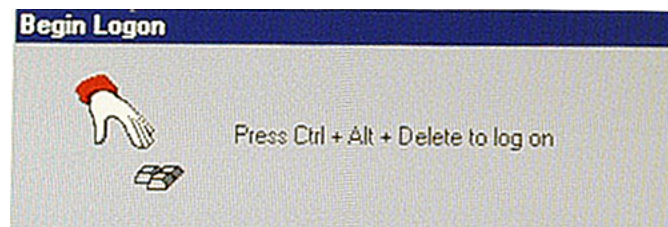


Figure 5  
Begin Logon Window

- 202 The “Logon Information” box will appear. See Figure 6. In lower case, type in “administrator” for User Name and enter the password.
- Then select “OK”.

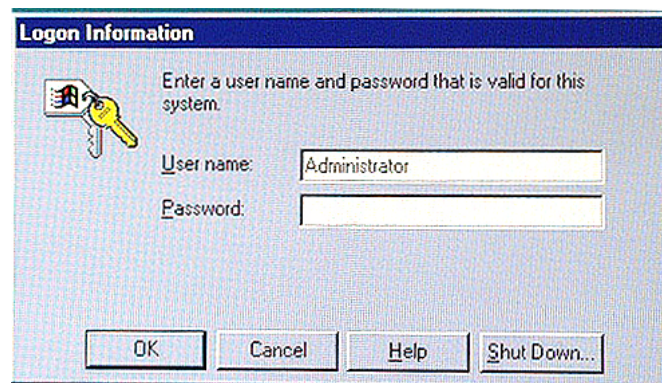


Figure 6  
Logon Information Window

- 203 When the desktop screen appears, doubleclick on the “Template.exe” MTS icon. See Figure 7.

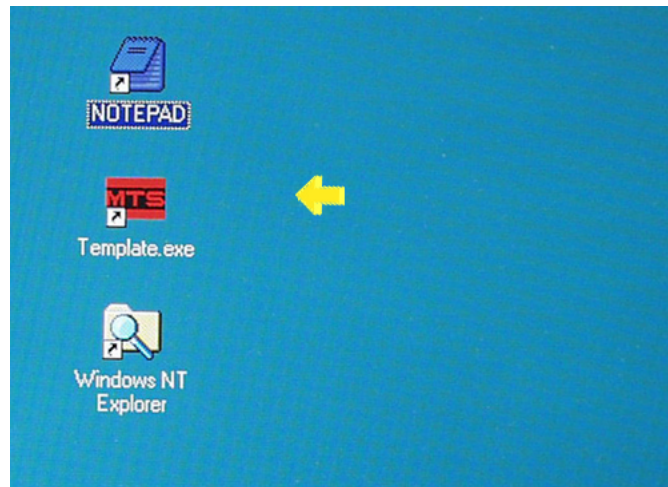


Figure 7  
MTS icon “Template.exe”

The Message Bar will next appear reading: “Waiting to Establish Communication”.

When the Prompter dialog box notes: “Commnication Established”, select “OK”. The process continues anyway, so this step is optional.

- 204 If a prompt appears in the center of the screen that reads “TestBuilder Errors”, contact the programmer. Do not proceed further until all errors are resolved.

- 205 When the TestBuilder prompter in the center of the screen reads:  
 “TestBuild successfully completed!”, select “OK”.

The running screen appears. See Figure 8.

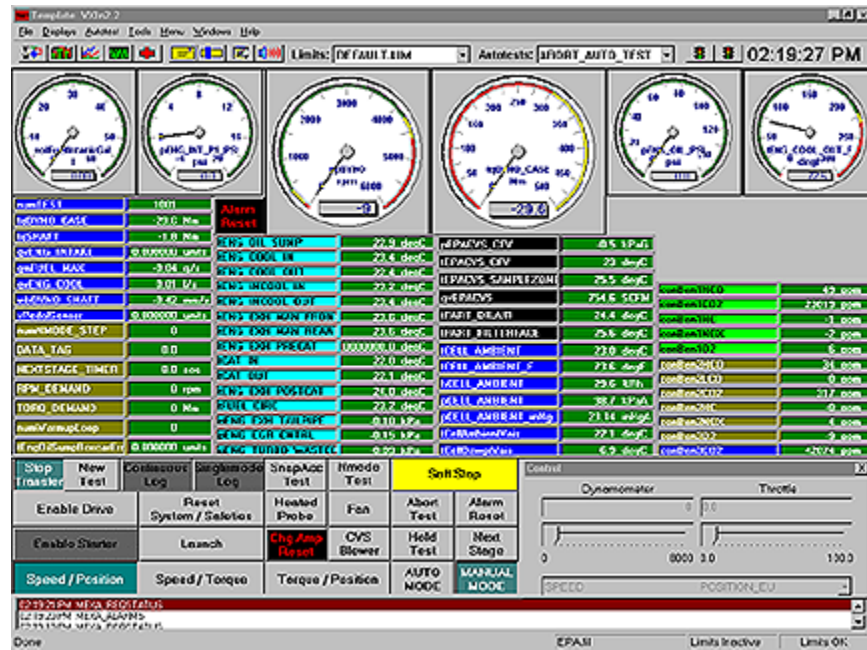


Figure 8  
Running Screen

The actual running screen may have differences from Figure 6.

The VX-In Engine Controller is now properly logged on, and the software is ready to use.

### 3. Acceptance Criteria

- 3.1 The VX-In Engine Controller is logged on and ready to use.